Index of Claims

| Application/Control I | Vo. |
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Applicant(s)/Patent under Reexamination

10/723,519

SANDERS, DAVID O. Art Unit

Examiner

1755

David M. Brunsman

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

| Cla    | aim Date |             |         |        |        |        | Claim    |   |   |   | Date |       |          |         |        |           | 1         | CI            | aim      | Date   |        |   |          |          |          |           |          |        |          |          |          |           |           |
|--------|----------|-------------|---------|--------|--------|--------|----------|---|---|---|------|-------|----------|---------|--------|-----------|-----------|---------------|----------|--------|--------|---|----------|----------|----------|-----------|----------|--------|----------|----------|----------|-----------|-----------|
|        | =        | l.,         |         |        |        |        |          |   | П |   |      |       | =        |         |        |           |           |               | Т        | Ţ      |        |   |          |          | $\Box$   |           |          |        |          |          | $\Box$   |           | П         |
| Final  | Original | 6/17/05     |         |        |        |        |          |   |   |   |      | Final | Original | 6/17/05 |        |           |           |               |          |        |        |   | ख        | Original |          |           |          |        |          |          | ı        |           |           |
| 证      | E        | =           |         |        |        |        |          |   |   |   |      | 🛅     | rig      | 12      |        |           |           |               |          |        |        |   | Final    | rigi     |          |           |          |        |          |          |          |           |           |
| 1      | ١٥       | <u>ا</u> ". |         |        |        |        | l        |   |   |   |      |       | 0        | ۱۳      |        |           |           |               |          |        | 1      |   |          | 0        |          |           |          |        |          |          |          |           |           |
|        | 1        | 1           |         |        |        | Г      | $\vdash$ | T | ⇈ |   |      |       | 51       | 1       |        |           | 一         | 寸             | _        | ╅      | 1-     | 1 |          | 101      |          |           | _        | ┢      |          | $\vdash$ | H        | $\exists$ | H         |
| $\Box$ | 2        |             |         |        |        |        |          |   | T |   |      |       | 52       | 1       |        | Ħ         |           | 寸             | $\dashv$ | +      | 1      |   |          | 102      |          | Ħ         |          |        |          | Н        |          | $\dashv$  | П         |
|        | 3        |             |         |        | Г      |        |          |   | T |   |      |       | 53       |         |        | Ħ         | 1         |               | 十        | 十      | +      | 1 | <u> </u> | 103      |          | T         |          |        |          |          | $\vdash$ | $\neg$    | П         |
|        | 4        |             |         |        |        |        | Г        | П |   |   |      |       | 54       |         |        |           | $\neg$    | $\dashv$      | $\dashv$ | $\top$ | 1      | 1 |          | 104      |          | H         |          |        | _        |          | $\Box$   | _         | М         |
|        | 5        |             |         |        |        |        |          |   | Г |   |      |       | 55       |         |        |           | T         | 7             | ┪        | $\top$ | 1      | 1 |          | 105      |          |           |          |        |          |          | П        |           | П         |
|        | 6        | Π           |         |        |        |        | Г        |   | Г |   |      |       | 56       |         |        |           | 寸         | 7             | 寸        | $\top$ | 1      | 1 |          | 106      |          |           |          |        |          |          | M        | $\exists$ | $\sqcap$  |
|        | 7        |             | П       |        |        |        |          |   |   |   |      |       | 57       |         | П      | $\Box$    | $\neg$    | T             |          |        |        |   |          | 107      |          |           |          |        |          | $\vdash$ | П        | $\exists$ | $\Box$    |
|        | ·8       | Γ           |         |        |        |        |          |   |   |   |      |       | 58       |         |        | ヿ         | ヿ         | 寸             | $\neg$   | ╅      | 1-     |   |          | 108      |          | $\dashv$  |          | _      | Н        |          | П        | $\dashv$  | П         |
|        | 9        |             |         |        |        |        |          |   | Γ |   |      |       | 59       |         |        |           |           | $\neg$        | $\top$   |        | 1      |   |          | 109      |          | $\neg$    | _        |        |          |          |          | $\neg$    | $\Box$    |
|        | 10       |             |         |        |        |        |          |   |   | Т |      |       | 60       | Г       |        |           |           | 寸             | 1        | $\top$ | 1      | 1 |          | 110      |          | П         |          |        |          |          | П        | $\neg$    | $\sqcap$  |
|        | 11       |             |         |        |        | Π      |          |   |   |   |      |       | 61       |         |        |           | 一         | $\neg$        | $\top$   | $\top$ | $\top$ | 1 |          | 111      |          | T         |          |        |          |          | П        | $\neg$    | $\Box$    |
|        | 12       |             |         |        | $\Box$ | L      |          |   |   |   |      |       | 62       |         |        |           | $\neg$    | $\neg$        | $\top$   | 1      | 1      | 1 |          | 112      |          |           | $\neg$   |        |          |          | П        | $\neg$    | $\Box$    |
|        | 13       |             |         |        |        |        |          |   |   |   |      |       | 63       |         |        |           |           | $\neg$        | $\top$   | 1      | T      |   |          | 113      |          |           | $\neg$   |        | М        | П        | $\sqcap$ | $\neg$    | $\neg$    |
|        | 14       |             |         |        |        |        |          |   |   |   |      |       | 64       |         |        |           |           | 一             | $\top$   | T      | T      | 1 |          | 114      |          | Ħ         |          |        | $\Box$   |          | ıΠ       | $\neg$    | $\exists$ |
|        | 15       |             |         |        |        |        |          |   |   |   |      |       | 65       |         | П      | $\neg$    |           | T             |          |        | 1      |   |          | 115      |          | ヿ         | $\neg$   |        |          | _        | $\Box$   |           | $\neg$    |
|        | 16       |             |         |        |        |        |          |   |   |   |      |       | 66       |         |        | T         | $\neg$    | T             | T        | T      |        |   |          | 116      |          | •         |          |        |          |          | $\Box$   | $\neg$    | П         |
|        | 17       |             |         |        |        |        |          |   |   |   |      |       | 67       |         |        | T         |           | T             |          | T      |        |   |          | 117      |          |           |          |        |          |          | $\Box$   | $\neg$    |           |
|        | 18       | •           |         |        |        |        |          |   |   |   |      |       | 68       | 1       | П      | コ         |           | T             |          |        |        |   |          | 118      |          |           | コ        |        |          |          | $\Box$   | $\neg$    | $\neg$    |
|        | 19       |             |         |        |        |        |          |   |   |   |      |       | 69       |         | П      | 寸         | T         | 寸             |          |        | 1      |   |          | 119      |          |           | ╗        |        |          |          | $\Box$   | $\neg$    | $\exists$ |
|        | 20       |             |         |        |        |        |          |   |   |   |      |       | 70       |         |        |           | $\neg$    | 7             |          |        | 1      | 1 |          | 120      |          | $\exists$ |          |        |          |          | 一        | $\neg$    | ヿ         |
|        | 21       |             |         |        |        |        |          |   |   |   |      |       | 71       |         |        |           | T         |               |          |        | 1      |   |          | 121      |          | $\neg$    |          |        |          |          | П        | $\dashv$  |           |
|        | 22       |             |         |        | П      |        |          |   |   |   |      |       | 72       |         |        | T         | 寸         | $\neg$        |          | $\top$ | $\top$ |   |          | 122      |          |           | 一        |        |          |          | $\Box$   | ᅥ         | $\dashv$  |
|        | 23       |             |         |        |        |        |          |   |   |   |      |       | 73       |         |        |           | $\neg$    | 寸             | $\top$   | _      | $\top$ |   |          | 123      |          | $\exists$ |          |        |          |          | $\Box$   | ᅥ         | $\neg$    |
|        | 24       |             |         |        |        |        |          |   |   |   |      |       | 74       |         |        | 一         | $\top$    | 寸             |          | _      | $\top$ |   |          | 124      | $\neg$   | $\neg$    |          |        |          |          |          | ᅥ         | ╛         |
|        | 25       |             |         |        |        |        |          |   |   |   |      |       | 75       |         |        |           | $\exists$ | $\neg$        | $\top$   |        |        |   |          | 125      |          | 寸         | ヿ        |        |          |          | $\Box$   | $\neg$    | ヿ         |
|        | 26       |             |         |        |        |        |          |   |   |   |      |       | 76       | П       |        |           | 7         |               |          |        | 1      |   |          | 126      |          |           |          |        |          | $\Box$   | $\neg$   | ┪         | ᅥ         |
|        | 27       |             |         |        |        |        |          |   |   |   |      |       | 77       |         |        |           | ╗         |               |          |        | T      |   |          | 127      | $\neg$   | _         | ᄀ        |        |          |          | $\neg$   | $\neg$    | ヿ         |
|        | 28       |             |         |        |        |        |          |   |   |   |      |       | 78       |         |        | $\neg$    | 丁         | $\exists$     |          |        | 1      |   |          | 128      | $\neg$   | $\neg$    | $\neg$   |        |          |          | 一        | ヿ         | _         |
|        | 29       |             |         |        |        |        |          |   |   |   |      |       | 79       |         |        | 一         | 丁         | $\top$        |          |        | 1      |   |          | 129      | •        | 一         | _        |        |          |          |          | ヿ         | ヿ         |
|        | _30      |             |         |        |        |        |          |   |   |   |      |       | 80       |         |        | $\exists$ | $\neg$    | 寸             | $\top$   | $\top$ |        |   |          | 130      |          | T         | $\neg$   |        |          |          | $\Box$   | 寸         | ヿ         |
|        | 31       |             |         |        |        |        |          |   |   |   |      |       | 81       |         |        | T         | ヿ         | 丁             | $\top$   |        | $\top$ |   |          | 131      |          | $\neg$    | ╛        |        |          |          | 一        | $\neg$    | ╗         |
|        | 32       |             |         |        |        |        |          |   |   |   |      |       | 82       |         |        |           | T         | 丁             | $\top$   |        | $\top$ |   |          | 132      |          |           | ╗        |        |          |          |          | $\neg$    | ヿ         |
|        | 33       |             |         |        |        |        |          |   |   |   |      |       | 83       |         |        | T         | 寸         | $\neg$        |          |        | T      |   |          | 133      | $\neg$   |           |          |        |          |          |          | 寸         | $\neg$    |
|        | 34       |             |         |        |        |        |          |   |   |   |      |       | 84       |         |        |           | T         | T             | $\top$   |        | 1      |   |          | 134      | $\neg$   | ヿ         | $\neg$   |        |          |          |          | $\neg$    | $\neg$    |
|        | 35       |             |         |        |        |        |          |   |   |   |      |       | _85      |         |        |           | T         |               | Т        | 1      |        |   |          | 135      |          | 丁         | $\neg$   |        |          |          | T        | ヿ         | ヿ         |
|        | 36       |             |         |        |        |        |          |   |   |   |      |       | 86       |         |        | 丁         | $\neg$    | $\top$        | $\top$   |        | T      |   |          | 136      | $\neg$   | 寸         | _        |        | $\dashv$ | $\neg$   | $\sqcap$ | $\dashv$  | $\dashv$  |
|        | 37       |             |         |        |        |        |          |   |   |   |      |       | 87       |         |        | 一         | $\neg$    | T             | $\top$   | 1      | Т      |   |          | 137      | $\neg$   | -         | T        |        | 寸        | $\neg$   | $\dashv$ | $\dashv$  | ヿ         |
|        | 38       |             |         |        |        |        |          |   |   |   |      |       | 88       |         |        |           | _1        |               |          |        | T      |   |          | 138      |          | $\dashv$  |          |        | 寸        |          | $\dashv$ | $\dashv$  | $\dashv$  |
|        | 39       |             |         |        |        |        |          |   |   |   |      |       | 89       |         |        |           |           |               |          | T      | Τ      |   |          | 139      | $\neg$   | $\dashv$  | 寸        |        | 一        |          | $\top$   | $\neg$    | ヿ         |
|        | 40       |             | $\Box$  |        |        |        |          |   |   |   |      |       | 90       |         | ╗      | $\neg$    | T         | T             |          | T      | T      |   |          | 140      | $\dashv$ | 寸         | 寸        |        | $\neg$   |          | $\top$   | $\dashv$  | $\neg$    |
| ]      | 41       |             |         |        |        |        |          |   |   |   |      |       | 91       |         | ╗      |           |           |               |          |        |        |   |          | 141      | ヿ        | _         | 寸        | $\neg$ | $\neg$   | $\neg$   | $\dashv$ | $\dashv$  | $\dashv$  |
|        | 42       |             |         |        | [      | ]      |          |   |   |   |      |       | 92       |         | ╗      |           |           | $\Box$        | J        | Ι      |        |   |          | 142      |          | ヿ         | $\dashv$ |        | $\neg$   | $\neg$   | $\neg$   | $\dashv$  | $\neg$    |
| ]      | 43       |             |         |        |        | $\Box$ |          |   |   |   | [    |       | 93       |         | $\Box$ | J         |           |               | $\top$   | $\top$ | T      |   |          | 143      | $\neg$   | $\neg$    | 7        | ヿ      | 寸        | $\neg$   | ヿ        | $\dashv$  | $\neg$    |
| I      | 44       |             |         |        |        | $\Box$ |          |   |   |   |      |       | .94      |         | $\Box$ |           |           |               | $\top$   |        |        |   |          | 144      | T        | ヿ         | 7        | 一      | $\neg$   | 寸        | $\dashv$ | $\dashv$  | ヿ         |
|        | 45       |             | $\Box$  |        |        |        |          |   |   |   |      |       | 95       |         |        |           | T         | T             | $\top$   |        | П      |   |          | 145      | 寸        | 寸         | 寸        | $\neg$ | 1        | ヿ        | $\neg$   | ヿ         | $\dashv$  |
| I      | 46       |             |         |        |        | ┚      | 二        |   |   |   |      |       | 96       |         |        | $\Box$    | T         | T             |          | Ī      |        |   |          | 146      | $\neg$   | 7         | ヿ        | コ      |          | 一        | $\dashv$ | 7         | $\neg$    |
|        | 47       |             | $\Box$  |        | $\Box$ |        |          |   |   |   |      |       | 97       | $\Box$  | $\Box$ | ቋ         |           | $\Box \Gamma$ | J        | Τ      |        |   |          | 147      | $\neg$   | $\neg$    | $\neg$   | ヿ      | $\dashv$ | $\neg$   | $\dashv$ | 寸         | $\neg$    |
|        | 48       | $\Box$ I    | $\prod$ |        | $\Box$ | $\Box$ |          |   |   |   |      |       | 98       |         |        |           |           |               |          | T      |        |   |          | 148      |          |           | ┪        | ヿ      | $\neg$   | 一        | ヿ        | $\dashv$  | ヿ         |
|        | 49       | $\Box$      | $\Box$  |        | $\Box$ |        | $\Box$   |   |   |   |      |       | 99       |         |        |           | T         | $\top$        | T        | Ī      |        |   |          | 149      | 7        | 寸         | 寸        | $\neg$ | $\neg$   | $\neg$   | ヿ        | $\exists$ | $\dashv$  |
| ]      | 50       | <b>√</b>    | $\Box$  | $\Box$ |        | $\Box$ | $\Box$   | ┚ | ┚ |   |      |       | 100      |         |        | $\neg$    |           |               |          | Ι      |        |   |          | 150      | ヿ        | 一         | 寸        | ヿ      | 7        | 一        | $\neg$   | $\dashv$  | $\dashv$  |
|        |          |             |         |        |        |        |          |   |   | _ | •    |       |          |         | _      |           |           |               |          |        |        |   |          |          | _        | _         |          | _      |          |          |          | _         | _         |